PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220			
88TY1319	ACTION as we	Il as, where applicable, item 5 below.			
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)			
PCT/IB2004/002931	09/09/2004	11/09/2003			
Applicant	<u> </u>				
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TOYOTA JIDOSHA KABUSHIKI	KAISHA				
This International Search Report has bee according to Article 18. A copy is being to	n prepared by this International Searching Au ansmitted to the International Bureau.	thority and is transmitted to the applicant			
This International Search Report consists		·			
	a copy of each prior art document cited in the	s report.			
Basis of the report					
a With record to the language the	international search was carried out on the b less otherwise indicated under this item.	asis of the international application in the			
The international this Authority (Ru	search was carried out on the basis of a tranule 23.1(b)).	slation of the international application furnished to			
		d in the international application, see Box No. I.			
2. Certain claims were for	und unsearchable (See Box II).	·			
3. Unity of invention is la	cking (see Box III).				
4. With regard to the title,					
•	ubmitted by the applicant.				
	ished by this Authority to read as follows:				
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5. With regard to the abstract,					
X the text is approved as	submitted by the applicant.	erity as it appears in Boy No. IV. The applicant			
the text has been estable may, within one month to	lished, according to Hule 38.2(b), by this Autriform the date of mailing of this international se	ority as it appears in Box No. IV. The applicant earch report, submit comments to this Authority.			
6. With regards to the drawings,					
	published with the abstract is Figure No	3			
X as suggested b					
as selected by	this Authority, because the applicant failed to				
]	this Authority, because this figure better chara	acterizes the invention.			
b. none of the figures is to	be published with the abstract.				

INTERNATIONAL SEARCH REPORT

In atlanta Application No PC I / I B2004/002931

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01S17/93 G01S G01S17/89 G01S13/86 G01S17/87 G01S13/93 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category ° Citation of document, with indication, where appropriate, of the relevant passages 1 - 12WO 02/103385 A (IBEO AUTOMOBILE SENSOR X GMBH; DIETMAYER KLAUS (DE); LAGES ULRICH (DE)) 27 December 2002 (2002-12-27) page 32, line 12 - page 34, line 15 page 37, line 1 - page 38, line 15 page 11, line 10 - line 14 US 2003/060956 A1 (EBENSTEIN SAMUEL EDWARD Α ET AL) 27 March 2003 (2003-03-27) abstract EP 1 338 477 A (TOYOTA MOTOR CO LTD) 1-12A 27 August 2003 (2003-08-27) abstract 1 - 12US 6 492 935 B1 (HIGUCHI TAKASHI) 10 December 2002 (2002-12-10) the whole document Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docudocument referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art. document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 15 December 2004 28/12/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Johansson, R Fax: (+31-70) 340-3016

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